

INTERNATIONAL SEARCH REPORT

International Application No

PCN 1B 03/03837

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11B19/28 G11B19/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 317 241 A (HANS HELMUT) 31 May 1994 (1994-05-31) the whole document	1,2,7, 11,12 9,10
Y	----	
X	US 6 067 202 A (ROWAN BRYAN SCOTT ET AL) 23 May 2000 (2000-05-23) the whole document	1,2,5, 11,12
X	US 6 023 140 A (KIM HEUI-WOOK ET AL) 8 February 2000 (2000-02-08) the whole document	1,2,7, 11,12
X	US 5 633 570 A (MOTZKO ANDREW R) 27 May 1997 (1997-05-27) the whole document	1,2,7, 11,12
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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- "A" document defining the general state of the art which is not considered to be of particular relevance
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- "P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the International search

1 December 2003

Date of mailing of the International search report

09/12/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	EP 0 732 696 A (TEXAS INSTRUMENTS INC) 18 September 1996 (1996-09-18) the whole document -----	1,2,7, 11,12
Y	PATENT ABSTRACTS OF JAPAN vol. 015, no. 220 (P-1211), 5 June 1991 (1991-06-05) & JP 03 062382 A (NEC CORP), 18 March 1991 (1991-03-18) abstract -----	9,10 -

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